

REMARKS

This submission is filed under 37 C.F.R. § 1.114 in support of a Request for Continuing Examination (RCE).

In this submission, Claims 1, 8-9, 12, 14, 24, and 26-28 have been amended. Claims 23 and 25 have been canceled. No claims have been added. Hence, Claims 1-4, 6-10, 12-17, 19-20, 24, and 26-28 are pending in the application.

I. SUMMARY OF THE REJECTIONS RAISED IN THE FINAL OFFICE ACTION

Claims 1-3, 6-10, 12-16, 19-20, 24, and 26-28 have been rejected under 35 U.S.C. § 103(a) as allegedly unpatentable over U.S. Patent No. 6,012,098 issued to Bayeh et al. ("BAYEH") in view of U.S. Patent No. 6,589,291 issued to Boag et al. ("BOAG"), further in view of U.S. Patent No. 6,480,860 issued to Monday ("MONDAY"), and further in view of U.S. Patent No. 6,480,860 issued to Hill et al. ("HILL").

Claims 4 and 17 have been rejected under 35 U.S.C. § 103(a) as allegedly unpatentable over BAYEH in view of BOAG, further in view of MONDAY, further in view of HILL, and further in view of Karanjit Siyan, *NetWare TCP/IP and NFS*, New Riders Publishing 1994, pp. 11, 94, 103 ("SIYAN").

The rejection of all claims was affirmed by the Board of Patent Appeals and Interferences in the decision mailed on July 13, 2006.

II. REJECTIONS BASED ON THE CITED ART

A. INDEPENDENT CLAIMS 1 AND 14

Claims 1 and 14 have been rejected as allegedly unpatentable under 35 U.S.C. § 103(a) over BAYEH in view of BOAG, further in view of MONDAY and further in view of HILL.

As amended herein, Claims 1 and 14 comprise the features of:

...
receiving, from a particular client, a request for data that is to be used by the particular client in a user interface, wherein the user interface is operable to receive input from a user and to cause the entry of the input into the database application;
prior to providing the data from the database application to the particular client,
performing the steps of:
converting the data that is to be transmitted from the database application to the particular client into an XML output without regard to the device type of the particular client by performing certain steps that include:
identifying a data type to which the data corresponds,
wherein the data that is to be transmitted from the database application to the particular client comprises a message that is to be displayed in the user interface;
selecting from a plurality of document type definitions, a document type definition associated with said data type, wherein said document type definition includes:
(a) at least one attribute indicating a message type of said message, wherein said message type is any one of a normal message, an error message, a warning message, and a hint message, and (b) at least one attribute indicating how to display said message in said user interface; and
converting the data to the XML output based on said selected document type definition;
identifying the particular client device type of the particular client, wherein the particular client device type indicates one of a dumb terminal, a telnet terminal, a bar code scanner, and a browser-less device;
... ;
based on the particular set of metadata, converting the XML output to output for the particular client device type; and
providing the output for the particular client device type to the particular client.

The Applicants respectfully submit that one or more of the above features of Claims 1 and 14 are not described, taught, or suggested by BAYEH, BOAG, MONDAY, and HILL, whether taken alone or in combination.

Specifically, none of BAYEH, BOAG, MONDAY, or HILL teaches, describes, or suggests receiving a request for data that includes a message that is to be displayed in a user interface at a particular client, where the user interface is a data entry interface operable to receive input from a user and to facilitate the entry of the input to a database application, and

where the particular client (which sends the request for the data and provides the data entry interface to the user) is one of a dumb terminal, a telnet terminal, a bar code scanner, and a browser-less device.

Further, none of BAYEH, BOAG, MONDAY, or HILL teaches, describes, or suggests a document type definition (DTD) associated with a data type to which the data retrieved from the database application corresponds, where the DTD includes: (a) at least one attribute indicating a message type of said message, where said message type is any one of a normal message, an error message, a warning message, and a hint message, and (b) at least one attribute indicating how to display said message in said user interface. While MONDAY may be describing the use of DTDs in the process of converting data, it is noted that the data converted in MONDAY is of a primitive data type, such as for example, a currency data type. (See MONDAY, FIG. 7 and col. 8, line 54 to col. 9, line 4.) In contrast, Claims 1 and 14 recite features for converting data that includes a message based on a DTD that defines the message, where the message is to be displayed in a data entry interface of a particular client, such as, for example, a dumb terminal, a telnet terminal, a bar code scanner, or a browser-less device.

For the above reasons, the Applicants respectfully submit that BAYEH, BOAG, MONDAY, and HILL, whether taken alone or in combination, fail to teach all of the features recited in Claims 1 and 14. Thus, Claims 1 and 14 are patentable under 35 U.S.C. § 103(a) over BAYEH in view of BOAG, further in view of MONDAY, and further in view of HILL.

B. INDEPENDENT CLAIMS 8 AND 12

Claims 8 and 12 have been rejected as allegedly unpatentable under 35 U.S.C. § 103(a) over BAYEH in view of BOAG, further in view of MONDAY, and further in view of HILL.

Claims 8 and 12 include features that are similar to the features discussed above with respect to Claims 1 and 14. For this reason, the Applicants respectfully submit that Claims 8

and 12 are patentable under 35 U.S.C. § 103(a) over BAYEH, in view of BOAG, further in view of MONDAY, and further in view of HILL, for the reasons given above with respect to Claims 1 and 14.

C. DEPENDENT CLAIMS 2-4, 6-7, 9-10, 13, 15-17, 19-20, 24, AND 26-28

Each of Claims 2-3, 6-7, 9-10, 13, 15-16, 19-20, 24, and 26-28 depends from one of independent Claims 1, 8, 12 and 14, and thus includes each and every feature of the independent base claim. Each of Claims 2-3, 6-7, 9-10, 13, 15-16, 19-20, 24, and 26-28 is therefore allowable for the reasons given above for Claims 1, 8, 12 and 14. Thus, it is respectfully submitted that Claims 2-3, 6-7, 9-10, 13, 15-16, 19-20, 24, and 26-28 are patentable under 35 U.S.C. § 103(a) over BAYEH, in view of BOAG, further in view of MONDAY, and further in view of HILL, for the reasons given above with respect to Claims 1, 8, 12, and 14.

Claims 4 and 17 depend from independent Claims 1 and 14, respectively, and thus includes each and every feature of the corresponding independent claim. With respect to Claims 4 and 17, the Office Action further cites SIYAN to show a telnet server and a telnet terminal as a type of client device. However, the Office Action does not assert, and the Applicants cannot determine, that SIYAN describes any of the features of Claims 1 and 14 discussed above. Thus, the Applicants respectfully submit that Claims 4 and 17 are patentable under 35 U.S.C. § 103(a) over BAYEH in view of BOAG, further in view of MONDAY, further in view of HILL, and further in view of SIYAN, for the reasons given above with respect to Claims 1 and 14.

III. CONCLUSION

The Applicants believe that all issues raised in the final Office Action have been addressed. Further, the amendments and arguments presented above are not precluded by the

art of record or by the decision of the Board of Patent Appeals and Interferences. For these reasons, entry of the Request for Continued Examination and reconsideration of the present application in light of the amendments and remarks herein are respectfully requested.

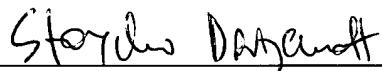
The Examiner is respectfully requested to contact the undersigned by telephone if it is believed that such contact would further the examination of the present application.

To the extent necessary to make this reply timely filed, the Applicant petitions for an extension of time under 37 C.F.R. § 1.136. If any applicable fee is missing or insufficient, throughout the pendency of this application, the Commissioner is hereby authorized to charge any applicable fees and to credit any overpayments to our Deposit Account No. 50-1302.

Respectfully submitted,

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